

LA-UR-21-28655

Approved for public release; distribution is unlimited.

Title: SoniView See the Unseen in your Beer process

Author(s): Davis, Eric Sean

Intended for: Report

Issued: 2021-08-31

Disclaimer:

Los Alamos National Laboratory, an affirmative action/equal opportunity employer, is operated by Triad National Security, LLC for the National Nuclear Security Administration of U.S. Department of Energy under contract 89233218CNA000001. By approving this article, the publisher recognizes that the U.S. Government retains nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or to allow others to do so, for U.S. Government purposes. Los Alamos National Laboratory requests that the publisher identify this article as work performed under the auspices of the U.S. Department of Energy. Los Alamos National Laboratory strongly supports academic freedom and a researcher's right to publish; as an institution, however, the Laboratory does not endorse the viewpoint of a publication or guarantee its technical correctness.



Contact Us

Marc Witkowski

Phone: 505-665-8315

Email: witk@lanl.gov

Web: lanl.gov/feynmancenter

- **Real Time Monitoring**
- **Catch Inconsistencies**
- **Eliminate Sampling**
- **Recover Beer**
- **Save Time and Money**

Non-Invasive

Attaches outside with no modifications to the tank.

Low Cost

Uses efficient and inexpensive ultrasonic sensors.

Real-Time Measurements

- Density
- Specific Gravity
- Sound Speed
- Fermentation Activity
- Temperature
- Alcohol Content

Reduce Loss

Eliminate manual labor and stop beer loss when dumping.



Automated Slurry Dumping

Precision control to shut dumping valve exactly when spent yeast has finished dumped.

